

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM protein - protein search, using sw model

Run on:

March 1, 2001, 15:47:21 ; Search time 210.42 Seconds

Sequence: 1 PEDPQRYYEECCQQECRQQEERQQPQQCQRCLKRFEQQQ 40
(without alignments)
Scoring table: BLOSUM62
Gappen 10.0 , Gapext 0.5

Title: US-09-331-631a-8_COPY_80_119
perfect score: 225

Searched: 26845 seqs, 34193795 residues

Total number of hits satisfying chosen parameters: 268485
Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : A_Genesed_36:*

1: /SIDS1/gcdata/geneseq/geneseq/AA1980.DAT:*

2: /SIDS1/gcdata/geneseq/geneseq/AA1981.DAT:*

3: /SIDS1/gcdata/geneseq/geneseq/AA1982.DAT:*

4: /SIDS1/gcdata/geneseq/geneseq/AA1983.DAT:*

5: /SIDS1/gcdata/geneseq/geneseq/AA1985.DAT:*

6: /SIDS1/gcdata/geneseq/geneseq/AA1986.DAT:*

7: /SIDS1/gcdata/geneseq/geneseq/AA1987.DAT:*

8: /SIDS1/gcdata/geneseq/geneseq/AA1988.DAT:*

9: /SIDS1/gcdata/geneseq/geneseq/AA1989.DAT:*

10: /SIDS1/gcdata/geneseq/geneseq/AA1990.DAT:*

11: /SIDS1/gcdata/geneseq/geneseq/AA1991.DAT:*

12: /SIDS1/gcdata/geneseq/geneseq/AA1992.DAT:*

13: /SIDS1/gcdata/geneseq/geneseq/AA1993.DAT:*

14: /SIDS1/gcdata/geneseq/geneseq/AA1994.DAT:*

15: /SIDS1/gcdata/geneseq/geneseq/AA1995.DAT:*

16: /SIDS1/gcdata/geneseq/geneseq/AA1996.DAT:*

17: /SIDS1/gcdata/geneseq/geneseq/AA1997.DAT:*

18: /SIDS1/gcdata/geneseq/geneseq/AA1998.DAT:*

19: /SIDS1/gcdata/geneseq/geneseq/AA1999.DAT:*

20: /SIDS1/gcdata/geneseq/geneseq/AA2000.DAT:*

21: /SIDS1/gcdata/geneseq/geneseq/AA2001.DAT:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description	ALIGMENTS
1	225	100.0	590	19 W62832	RESULT 1 W62832 ID W62832 standard; Protein; 590 AA. XX AC W62832; XX DT 27-OCT-1998 (first entry) XX DE Gossypium hirsutum antimicrobial protein. XX KW antimicrobial protein; infestation; control. XX OS Gossypium hirsutum. XX PN W0987805-A1. XX PD 02-JUL-1998. XX PF 22-DEC-1997; 97WO-AU000874. XX PR 20-DEC-1996; 96AU-0004275.
2	119	52.9	525	19 W62831	PA (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY. XX PI Bower NI, Goulter KC, Green JL, Manners JM, Marcus JP; XX WPI: 1998-377279/32.
3	119	52.9	566	13 R20181	DR XX PR XX WPI: 1998-377279/32.
4	114	50.7	666	19 W62828	DR XX PR XX WPI: 1998-377279/32.
5	112	49.8	625	19 W62830	DR XX PR XX WPI: 1998-377279/32.
6	112	49.8	666	19 W62829	DR XX PR XX WPI: 1998-377279/32.
7	82	36.4	371	20 W73369	DR XX PR XX WPI: 1998-377279/32.
8	77.5	34.4	2023	21 Y54320	DR XX PR XX WPI: 1998-377279/32.
9	76.5	34.0	2074	21 Y54319	DR XX PR XX WPI: 1998-377279/32.
10	75	33.3	910	21 Y22191	DR XX PR XX WPI: 1998-377279/32.
11	73	32.4	86	20 W95073	DR XX PR XX WPI: 1998-377279/32.
12	73	32.4	86	20 W95078	DR XX PR XX WPI: 1998-377279/32.

GST-HD fusion protein
GST-HD fusion protein
Protein regulating
Sterocarpus sinuat
Amino acid sequenc
HhvB ORF 73 protei
Human 2C3 protein
Human h-NUMB-R. H
Rat rsk3 protein.
A human trichohyal
Hordeum vulgare an
A1B1 (Amplified in
Osf2/Cbfl native
Dirofilaria immiti
Human SC1 protein
CAP6 polypeptide
Sequence encoded b
Human androgen rec
Androgen receptor.
Human androgen rec
Human unliganded a
Human androgen rec
Human protein kina
Murine pcp1 protein
Human secreted pro

The sequence is that of an antimicrobial protein which can be used to control microbial infestations in plants and mammalian

us-09-331-631a-8 copy 80 119.ran

us-09-331-631a-8_copy_80_119.rag

FT Modified-site /note= "O-phosphorylated" 139
 FT Modified-site /note= "O-phosphorylated" 160
 FT Modified-site /note= "O-phosphorylated" 199
 FT Modified-site /note= "O-phosphorylated" 225
 FT Modified-site /note= "O-phosphorylated" 277
 FT Modified-site /note= "O-phosphorylated" 284
 FT Modified-site /note= "O-phosphorylated" 335
 FT Modified-site /note= "O-phosphorylated" 340
 FT Modified-site /note= "O-phosphorylated" 382
 FT Modified-site /note= "O-phosphorylated" 424
 FT Modified-site /note= "O-phosphorylated" 480
 FT Modified-site /note= "O-phosphorylated" 505
 FT Modified-site /note= "O-phosphorylated" 684
 FT Modified-site /note= "O-phosphorylated" 690
 FT Modified-site /note= "O-phosphorylated" 702
 FT Modified-site /note= "O-phosphorylated" 708
 FT Modified-site /note= "O-phosphorylated" 945
 FT Modified-site /note= "O-phosphorylated" 1001
 FT Modified-site /note= "O-phosphorylated" 1067
 FT Modified-site /note= "O-phosphorylated" 1166
 FT Modified-site /note= "O-phosphorylated" 1233
 FT Modified-site /note= "O-phosphorylated" 1295
 FT Modified-site /note= "O-phosphorylated" 105
 FT Modified-site /note= "O-phosphorylated" 122
 FT Modified-site /note= "O-phosphorylated" 225
 FT Modified-site /note= "O-phosphorylated" 308
 FT Modified-site /note= "O-phosphorylated" 351
 FT Modified-site /note= "O-phosphorylated" 359
 FT Modified-site /note= "O-phosphorylated" 377
 FT Modified-site /note= "O-phosphorylated" 405
 FT Modified-site /note= "O-phosphorylated" 461
 FT Modified-site /note= "O-phosphorylated" 665
 FT Modified-site /note= "O-phosphorylated" 998
 FT Modified-site /note= "O-phosphorylated" 1092
 FT Modified-site /note= "O-phosphorylated" 1108
 FT Modified-site /note= "O-phosphorylated" 1260
 FT Modified-site /note= "O-phosphorylated" 1285
 FT Modified-site /note= "O-phosphorylated" 136
 FT Modified-site /note= "O-phosphorylated" 268
 FT Modified-site /note= "O-phosphorylated" 168
 FT Modified-site /note= "O-phosphorylated" 391
 FT Modified-site /note= "N-glycosylated" 934
 FT Modified-site /note= "N-glycosylated" 991
 FT Modified-site /note= "N-glycosylated" 1031
 FT Modified-site /note= "N-glycosylated" 1090
 FT Modified-site /note= "N-glycosylated" 1098
 FT Modified-site /note= "N-glycosylated" 1235
 FT Modified-site /note= "N-glycosylated" 1245
 FT Modified-site /note= "N-glycosylated" 1282
 FT Modified-site /note= "N-glycosylated" 16-DEC-1999.
 XX PP 11-JUN-1999; 99WO-US13281.
 XX PR 12-JUN-1998; 98US-0089029.
 PR 29-JUL-1998; 98US-0094575.
 PR 14-OCT-1998; 98US 0104624.
 XX PA (INCYT-) INCYTE PHARM INC.
 XX PI Lal P, Yue H, Tang YT, Hillman JL, Bandman O', Corley NC;
 PI Guegler KJ, Gorgone GA, Baughn MR, Patterson C, Lu DAM;
 XX DR WPI; 2000-1165-3/10.
 XX N-PSDB; 257864.
 XX New human polypeptides that regulate gene expression, for treatment, prevention and diagnosis of, e.g. cancer -
 XX Claim 1; Page 110-113; 150pp; English.
 FT The present sequence is that of new human protein regulating gene expression PRGE-26, deduced from Incyte clone PIRUNOT01 (see 257864) isolated from pituitary gland cDNA library. PRGE-26 is expressed in reproductive, nervous and gastrointestinal tissues associated with cell proliferative and inflammatory diseases, disorders or conditions. It is characterised as a glutamine-rich protein. The invention provides PRGE polypeptides (see 158608-38) and polynucleotides (see 25789-69), expression vectors, host cells, antibodies, agonists and antagonists. It also provides methods for diagnosing, treating or preventing disorders associated with expression of PRGE.
 XX Sequence 1299 AA;

Query Match 32.2%; Score 72.5%; DB 21; Length 1299;
 Best Local Similarity 41.0%; Pred. No. 2;
 Matches 16; Conservative 11; Mismatches 11; Indels 1; Gaps 1;

Search completed: March 1, 2001, 15:47:23
Job time: 248 sec

